(FILE 'HOME' ENTERED AT 23:11:24 ON 28 NOV 2002)

FILE 'CAPLUS' ENTERED AT 23:11:46 ON 28 NOV 2002
L1   697 S IBAD OR EBAD OR ABAD OR MBAD
L2   1409 S BEAM ASSIST? DEPOSIT?
L3   54 S IBAE OR EBAE OR MBAE OR ABAE
L4   133 S BEAM ASSIST? ETCH?
L5   1 S LASER BEAM ASSIST? ETCH?
L6   0 S LASER BEAM ASSIST DEPOSIT?
L7   1713 S L1 OR L2 OR L3 OR L4 OR L5 OR L6
L8   1008079 S (CU OR COPPER?)
L9   207 S L7 AND L8
L10   89 S L9 AND (ETCH? OR DEPOSIT?)/TI
L11   118 S L9 NOT L10
L12   23 S L11 AND (TIN OR TITANIUM OR BARRIER)
L13   42 S L9 AND (TIN OR TITANIUM OR BARRIER)
L14   112 S L10 OR L13
L15   95 S L9 NOT L14

FILE 'JAPIO' ENTERED AT 23:17:17 ON 28 NOV 2002
L16   0 S L14
L17   0 S L15

FILE 'USPAT2' ENTERED AT 23:17:48 ON 28 NOV 2002
L18   2 S L7(P)(L8 OR TIN OR TITANIUM OR BARRIER)
L19   18 S L7
L20   0 S (L5 OR L6)
L21   1 S LASER(10A)BEAM(10A)ASSIST?(10A)(ETCH? OR COAT?)

FILE 'JAPIO' ENTERED AT 23:20:37 ON 28 NOV 2002
L22   5 S L21

FILE 'CAPLUS' ENTERED AT 23:21:09 ON 28 NOV 2002
L23   72 S L21
L24   51 S LASER(10W)BEAM(10W)ASSIST?(10W)(ETCH? OR DEPOSIT?)
L25   13 S L24 AND ETCH?
L26   38 S L24 NOT L25
           SAVE ETCHL14/A L14
           SAVE ETCHL15/A L15
           SAVE ETCHL26/A L26

FILE 'CAPLUS' ENTERED AT 20:42:46 ON 28 NOV 2002
L1   1008079 S CU OR COPPER?
L2   371160 S ?ORGANIC?
L3   1114699 S ?ORGAN?
L4   9428 S L1(10A)L3
L5   164165 S (ELECTRON OR E OR PARTICLE OR ATOMIC? OR
MOLECULAR?)(W)BEAM#
L6   21 S L4 AND L5
L7   0 S L4 AND FAST PARTICLE BEAM
L8   21 S L6 OR L7

    FILE 'JAPIO' ENTERED AT 20:45:47 ON 28 NOV 2002
L9   4 S L8

    FILE 'INSPEC' ENTERED AT 20:46:08 ON 28 NOV 2002
L10   25 S L8

    FILE 'USPAT2' ENTERED AT 20:46:58 ON 28 NOV 2002
L11   0 S L4(P)L5 OR L7

    FILE 'CA' ENTERED AT 20:48:47 ON 28 NOV 2002

    FILE 'CAPLUS' ENTERED AT 20:48:50 ON 28 NOV 2002
L12   3367 S L3 AND L5
L13   772 S L12 AND (DEPOSIT? OR CVD OR HPCVD OR LPCVD)
L14   6999 S L5(10A)(DEPOSIT? OR CVD OR HPCVD OR LPCVD)
L15   317 S L3 AND L14
L16   152 S L15 AND BEAM#/TI AND DEPOSIT?/TI
L17   149 S L16 AND (ATOMIC? OR ELECTRON? OR PARTICLE OR
MOLECULAR?)/TI
L18   40 S L17 AND ELECTRON/TI
L19   109 S L17 NOT L18
L20   13 S L19 AND (CU OR COPPER?)
L21   96 S L19 NOT L20
L22   165 S L15 NOT L16
            SAVE ETCHL21/A L21
            SAVE ETCHL22/A L22

    FILE 'JAPIO' ENTERED AT 20:58:35 ON 28 NOV 2002
L23   0 S L18
L24   0 S L20
L25   104 S L15
L26   26868 S (ELECTRON OR E)(W)BEAM
L27   68 S L25 AND L26
L28   7 S L25 AND (CU OR COPPER?)

L29   6 S L27 AND L28
L30   7 S L28 OR L29
L31   62 S L27 NOT L30
        SAVE ETCHL31/A L31

    FILE 'CAPLUS' ENTERED AT 21:03:55 ON 28 NOV 2002
L32   2583 S RIBE OR REACTIV?(4A)ION(4A)BEAM?(4A)ETCH?
L33   39 S L32 AND (TURN? OR ROTAT? OR REVOLV? OR REVOLUT?)
L34   354 S L32 AND (LASER OR UV OR ULTRAVIOLET OR ULTRA VIOLET OR
COLLIM
L35   352 S (ETCH? OR PATERN? OR REMOV?) AND L34
L36   108 S L35 AND (RIBE OR REACTIV? ION BEAM ETCH?)

    FILE 'JAPIO' ENTERED AT 21:09:24 ON 28 NOV 2002
L37   73 S (L33 OR L36)

    FILE 'CAPLUS' ENTERED AT 21:11:18 ON 28 NOV 2002
L38   36 S L33 NOT L36
L39   0 S L38 AND TURN? AND TABLE